applied sciences

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 6.1

Brillouin Scattering and Optomechanics

Guest Editors:

Dr. Jean-Charles Beugnot
Institut FEMTO-ST, Univ. Bourgogne Franche-Comté, CNRS, 25000 Besançon, France

Dr. Vincent Laude
Institut FEMTO-ST, Univ. Bourgogne Franche-Comté, CNRS, 25000 Besançon, France

Dr. Thibaut Sylvestre
Institut FEMTO-ST, Univ. Bourgogne Franche-Comté, CNRS, 25000 Besançon, France

Message from the Guest Editors

The science of the interaction of sound and light, including acousto-optics, has recently witnessed the emergence of new topics and directions that lead to novel fundamental effects and applications. Optomechanical structures, including phoxonic crystals—also known as simultaneous photonic and phononic crystals—are presently being investigated in order to obtain very efficient interactions in tiny volumes. They allow for the control of phonons with photons, but also for ultimate sensing applications. Concurrently, opto-acoustical interactions in micro- and nanoscale optical resonantors, fibers, and waveguides are being seen in a new light thanks to new materials and structures, leading to a renewed view of Brillouin scattering.

Deadline for manuscript submissions:
closed (31 May 2018)

mdpi.com/si/9661

Special Issue

applied sciences

IMPACT FACTOR 2.5

CITESCORE 6.1

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (Fluid Flow and Transfer Processes)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
𝕏@Applsci